

10/533679

**NATIONAL PHASE  
UTILITY APPLICATION**  
**Transmittal to the (DO/EO/US)**  
**Under 35 USC 371**

Attorney Docket No.: ASHL.001A  
First Named Inventor: Eric D. Cordemans de Meulenaer  
Int'l Application No.: PCT/US03/35029  
Int'l Filing Date: November 4, 2003  
Priority Date Claimed: November 4, 2002  
Title: DEVICE AND PROCESS FOR TREATING A LIQUID  
MEDIUM USING ULTRASOUND  
Express Mail Label No.: EV 370473155 US

**Direct all correspondence to Customer No.: 20995**

Date: May 3, 2005  
Page 1 of 2

**Mail Stop PCT**

United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

**Inventors:**

1. Eric D. Cordemans de Meulenaer
2. Baudouin Hannecart
3. Yves Canivet

**APPLICATION ELEMENTS:**

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) The U.S. has been elected (Article 31).
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) is attached hereto.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.
- (X) Search Report
- (X) A copy of the International Preliminary Examination Report with annexes.

**OTHER APPLICATION PARTS:**

- (X) Return prepaid postcard.

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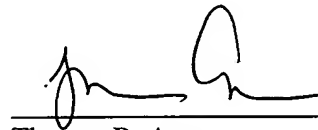
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Page 2 of 2**FILING FEES:**

FEE CALCULATION				
FEE TYPE & DETERMINATION		LARGE FEE	CALCULATION	TOTAL
Basic Filing Fee under 1.492(a)		1631 (\$300)		\$300
Search Fee under 1.492(b) (enter one in TOTAL column)				
(1) USPTO was the ISA		1641 (\$100)		\$400
(2) Foreign Search Report Enclosed		1642 (\$400)		
(3) No Search Report Enclosed		1632 (\$500)		
Examination Fee under 1.492(c) (enter one in TOTAL column)				
(1) USPTO was IPEA & claims satisfy Art. 33 (1)-(4)		1643 (\$100)		\$200
(2) Non US IPEA / Noncompliant Claims		1633 (\$200)		
Excess Claims	25 - 20 = 3	1615 (\$50)	3 x 50 =	\$150
Excess Ind. Claims	3 - 3 = 0	1614 (\$200)	0 x 200 =	\$0
Multiple Dep. Claim		1616 (\$360)		\$0
			<b>TOTAL FEE DUE</b>	<b>\$1,050</b>
<b>TOTAL FEE TO BE PAID AT LATER DATE</b>				<b>\$1,050</b>

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410



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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUBMISSION BY "EXPRESS MAIL"**

**Attorney Docket No.** : ASHL.001A  
**Applicant(s)** : de Meulenaer, et al.  
**For** : DEVICE AND PROCESS FOR TREATING A  
LIQUID MEDIUM USING ULTRASOUND  
**Thomas R. Arno** : Attorney  
**"Express Mail" Label No.** : EV 370473155 US  
**Date of Deposit** : May 3, 2005

The following documents are hereby placed into an Express Mail envelope bearing the number indicated above, which envelope is being deposited today with the U.S. Postal Service as Express Mail:

Transmittal letter; specification in 20 pages; 8 sheets of drawings; Search Report;  
Copy of IPER with annexes; Return Prepaid Postcard.

The envelope, with the enclosures listed above, is addressed the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

This submission is being made in compliance with 37 CFR 1.10.

Norma Morgana Yee

Name: NORMA MORGANA YEE  
Docketing Agent

1692129  
050305